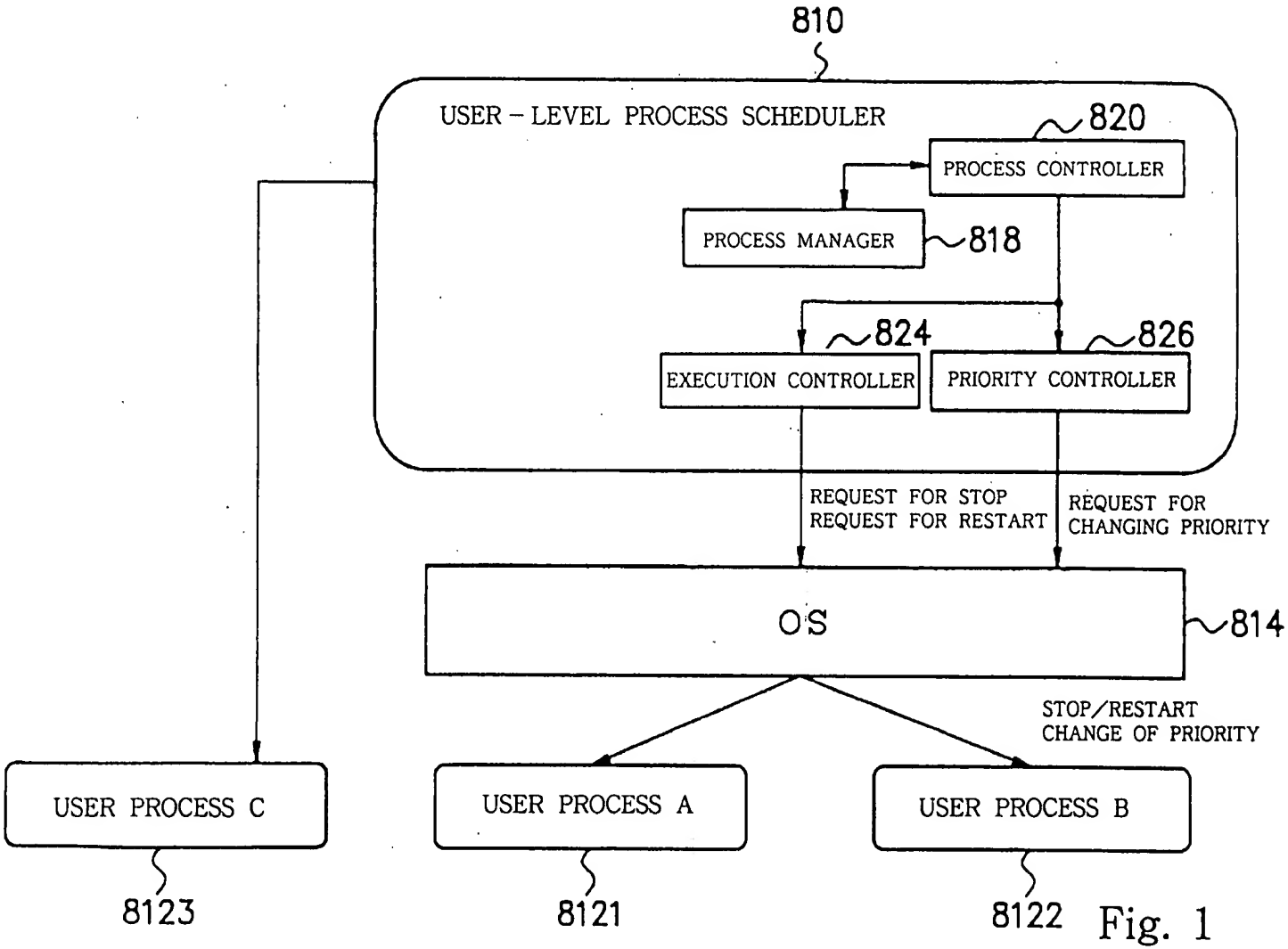

Fig. 1
PRIOR ART

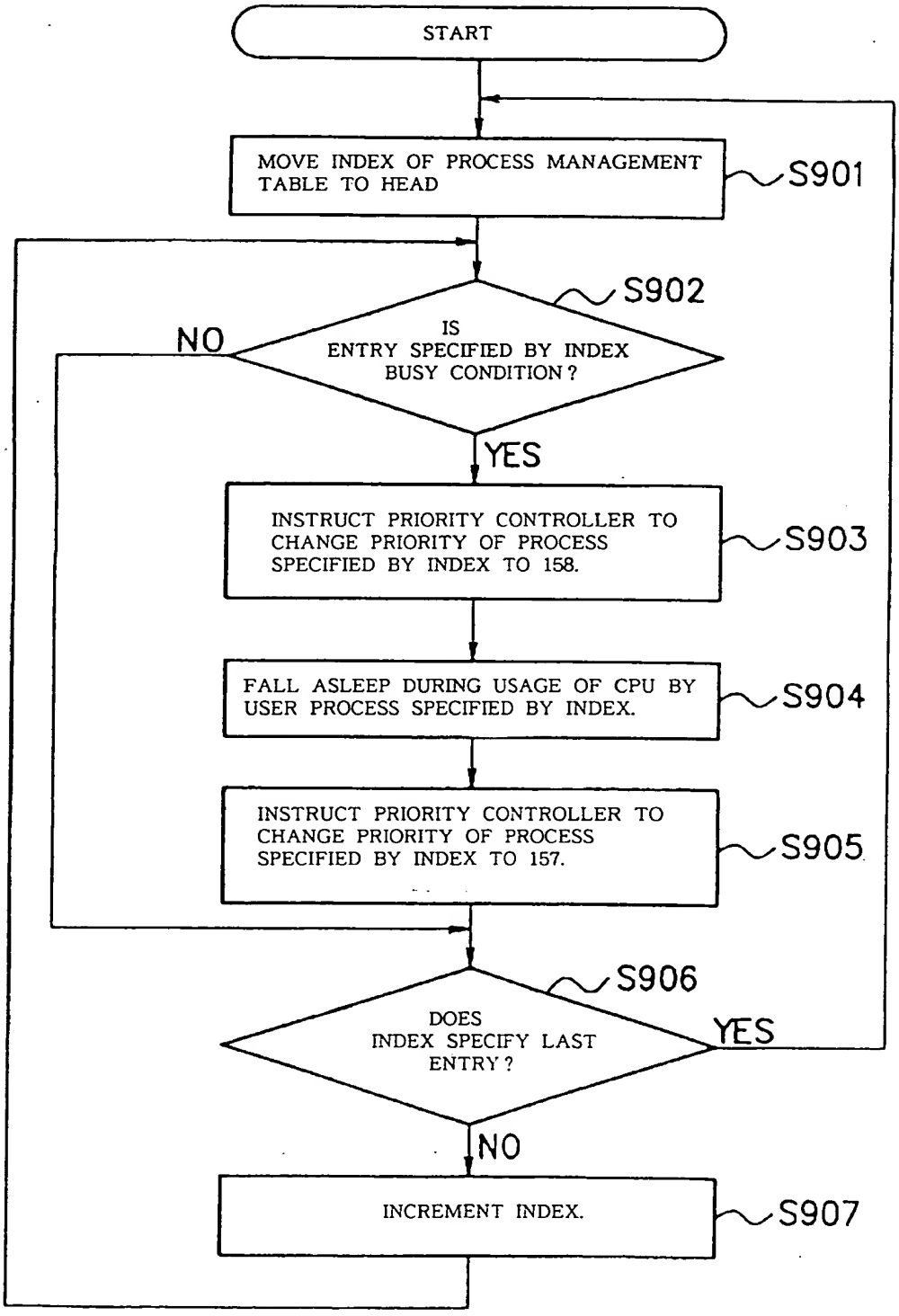

Fig. 2
PRIOR ART

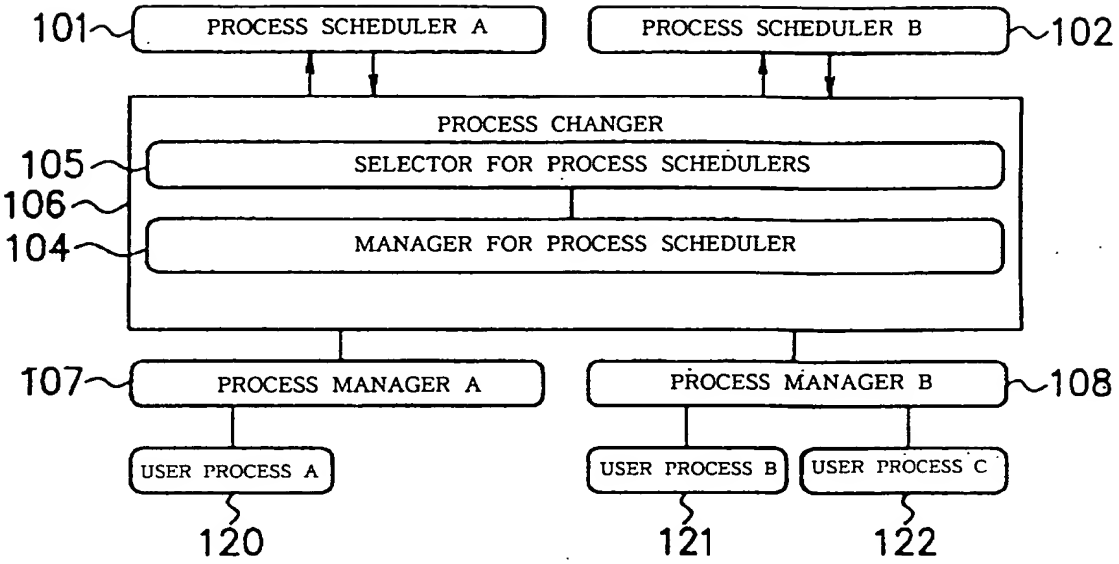
101
PROCESS SCHEDULER A
PROCESS SCHEDULER B
102
PROCESS CHANGER
105
SELECTOR FOR PROCESS SCHEDULERS
106
104
MANAGER FOR PROCESS SCHEDULER
107
PROCESS MANAGER A
PROCESS MANAGER B
108
USER PROCESS A
USER PROCESS B
USER PROCESS C
120
121
122

Fig. 3

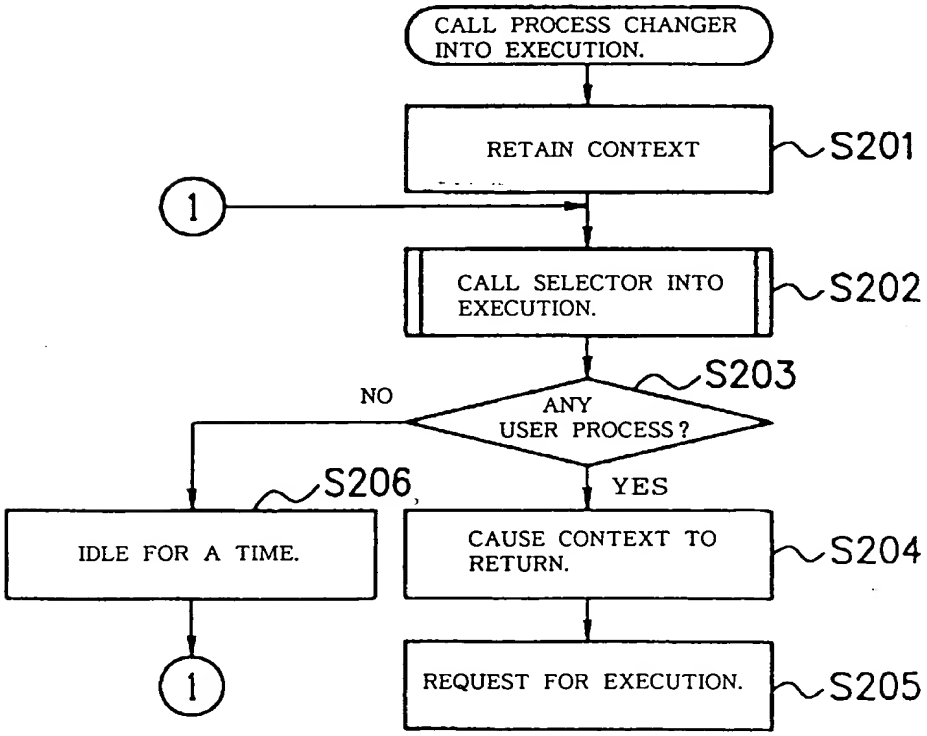
CALL PROCESS CHANGER INTO EXECUTION.
RETAIN CONTEXT
S201
1
CALL SELECTOR INTO EXECUTION.
S202
S203
NO
ANY USER PROCESS?
YES
S206
IDLE FOR A TIME.
CAUSE CONTEXT TO RETURN.
S204
1
REQUEST FOR EXECUTION.
S205

Fig. 5A

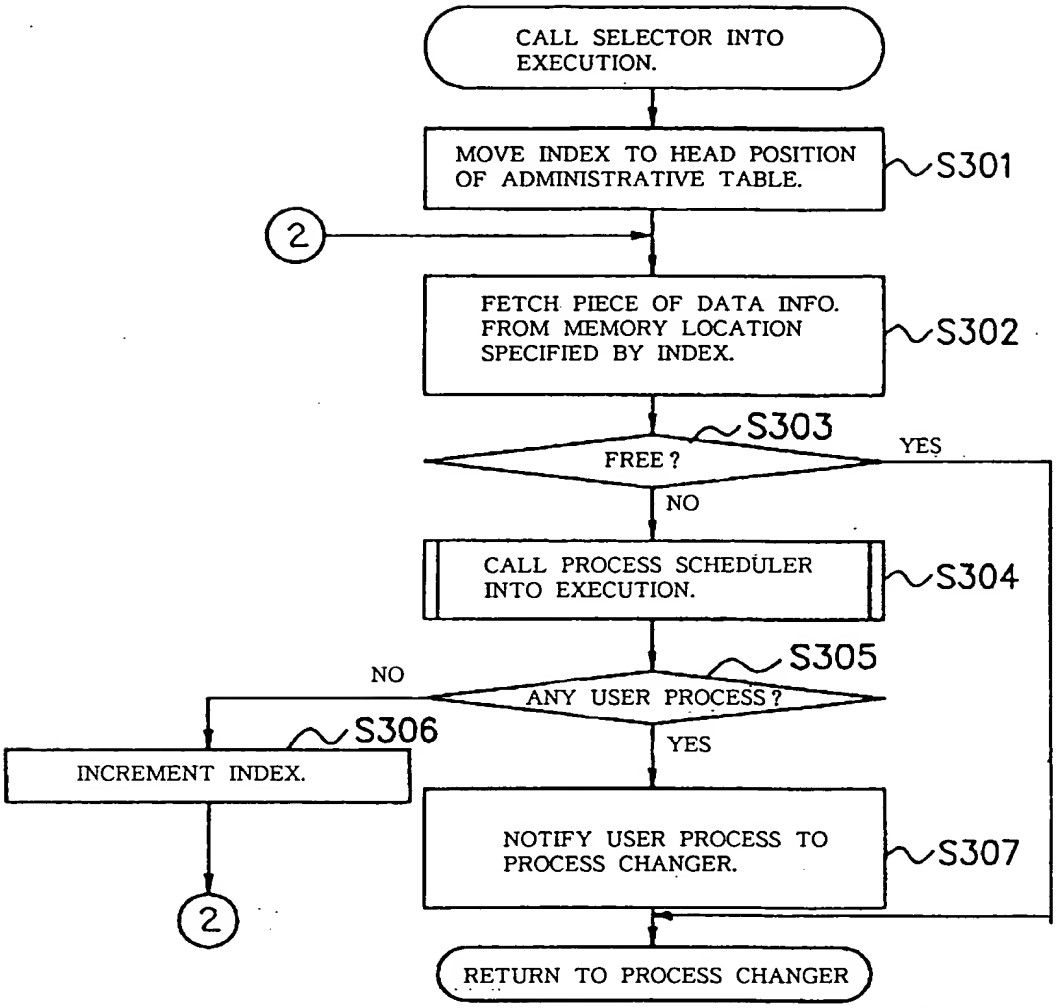

Fig. 5B

INDEX	STARTING ADDRESS OF PROCESS SCHEDULER PROGRAM
1	PROCESS SCHEDULER A
2	PROCESS SCHEDULER B
3	FREE
4	FREE

Fig. 4

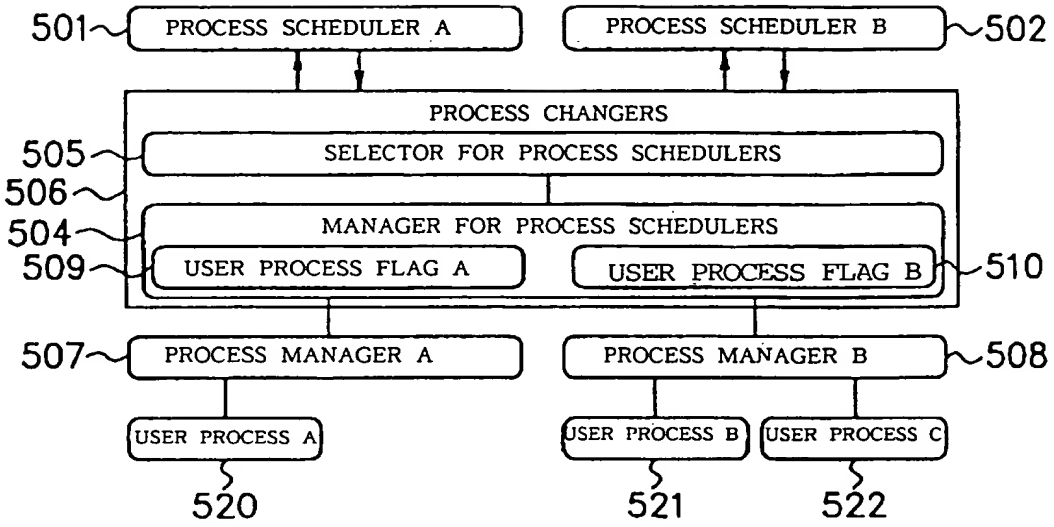

Fig. 6

INDEX	STARTING ADDRESS OF PROCESS SCHEDULER PROGRAM	USER PROCESS FLAG
1	PROCESS SCHEDULER A	0
2	PROCESS SCHEDULER B	1
3	FREE	FREE
4	FREE	FREE

Fig. 7

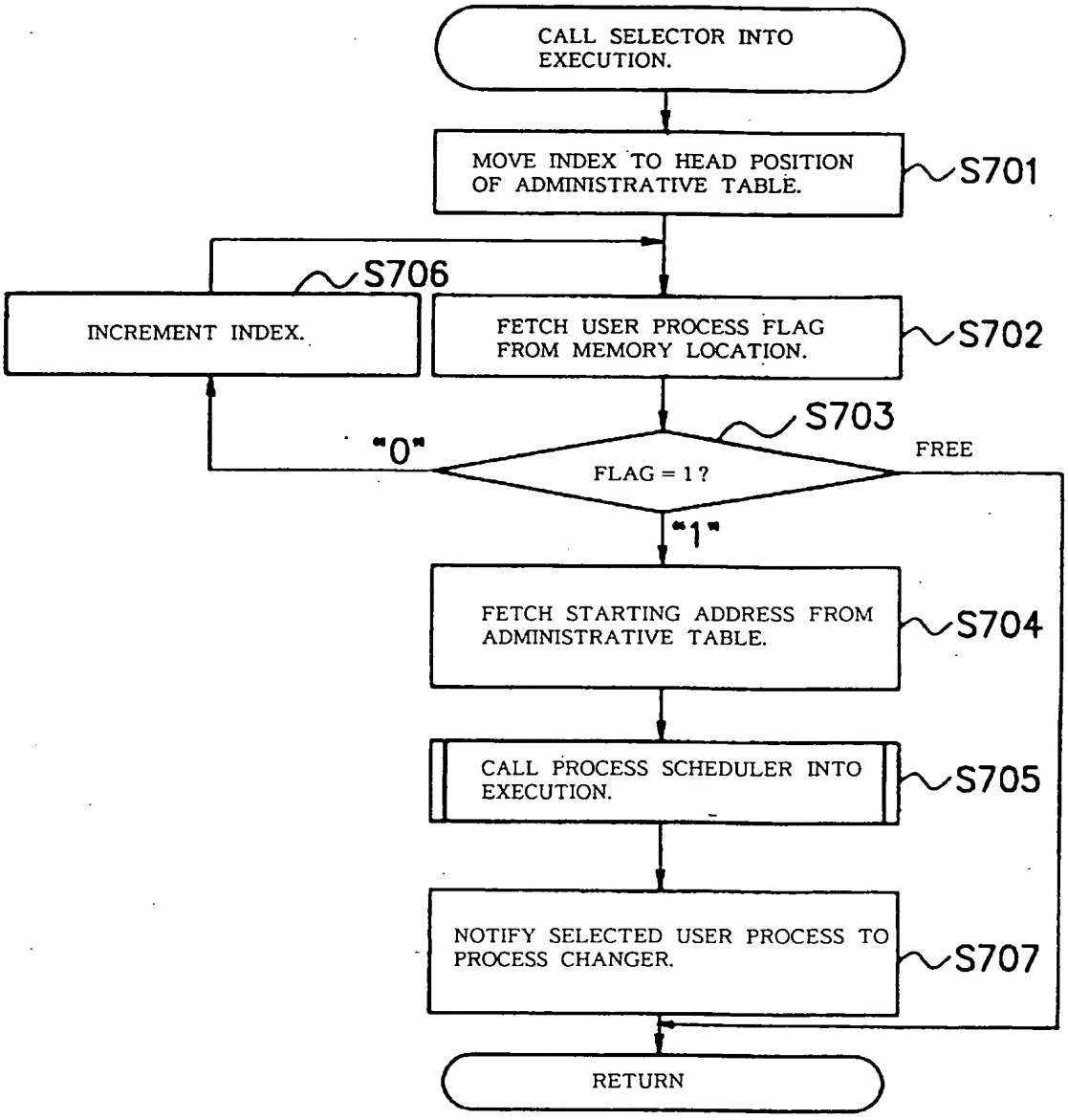
CALL SELECTOR INTO EXECUTION.
MOVE INDEX TO HEAD POSITION OF ADMINISTRATIVE TABLE.
S701
INCREMENT INDEX.
S706
FETCH USER PROCESS FLAG FROM MEMORY LOCATION.
S702
S703
"0"
FREE
FLAG = 1 ?
"1"
FETCH STARTING ADDRESS FROM ADMINISTRATIVE TABLE.
S704
CALL PROCESS SCHEDULER INTO EXECUTION.
S705
NOTIFY SELECTED USER PROCESS TO PROCESS CHANGER.
S707
RETURN

Fig. 8